

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-73. (Cancelled)

74. (Currently amended) A chemical resin blend comprising an activated intumescent flame retardant and at least one resin selected from the group consisting of a plastic resin, an engineering resin and a thermoset resin, wherein the chemical resin blend is non-dripping and has a rating of V-0 or V-1 based on UL94 test procedures ~~the intumescent flame retardant comprises a char forming catalyst and a blowing agent~~

75. (Original) The chemical resin blend of claim 74, wherein the resin is a plastic resin.

76. (Original) The chemical resin blend of claim 74, wherein the resin is an engineering resin.

77. (Currently amended) The chemical resin blend of claim 74, wherein the resin is a thermoset resin ~~rein~~.

78. (Currently amended) The chemical resin blend of claim 74, wherein the activated intumescent flame retardant comprises at least one component is selected from the group consisting of:

(a) activated melamine pyrophosphate;

(b) activated melamine polyphosphate;

- (c) activated ethylene diamine phosphate;
- (d) activated ammonium polyphosphate; and
- (e) blends of any of the components (a) through (d).

79. (Currently amended) A cable made from the chemical resin blend of claim 74 ~~comprising an intumescent flame retardant and at least one resin selected from the group consisting of a plastic resin, an engineering resin and a thermostat resin, wherein the intumescent flame retardant comprises a char forming catalyst and a blowing agent.~~

80. (Original) The cable of claim 79, wherein the cable is selected from the group consisting of plenum cable, fiber optic cable, copper cable, telecommunications cable, and video cable.

81. (Currently amended) The cable of claim 80, wherein the resin is a plastic resin, the plastic resin being at least one polyolefin selected from the group consisting of:

- (a) polypropylene homopolymer;
- (b) polypropylene copolymer;
- (c) ethylene propylene diene monomer (EPDM);
- (d) maleated propylene diene monomer (m-EPDM);
- (e) ethylene-polypropylene copolymer;
- (f) maleated ethylene-polypropylene copolymer (m-EP copolymers);
- (g) a thermoplastic elastomer;
- (h) a thermoplastic rubber;
- (i) ethylene/vinyl acetate copolymer (EVA);

- (j) a poly(4-methyl-1-pentene) homopolymer;
- (k) poly(4-methyl-1-pentene/1-decene) copolymer;
- (l) very low density polyethylene (VLDPE);
- (m) low density polyethylene (LDPE);
- (n) medium density polyethylene (MDPE);
- (o) high density polyethylene (HDPE);
- (p) linear low density polyethylene (LLDPE);
- (q) crosslinked polyethylene (XLPE);
- (r) crosslinked polypropylene (XLPP); and
- (s) blends of any of the components (a) through (r).

82. (Currently amended) The cable of claim 80, wherein the resin is an engineering resin, the engineering resin being at least one component selected from the group consisting of:

- (a) nylon;
- (b) poly(butylene terephthalate);
- (c) poly(ethylene terephthalate);
- (d) acrylonitrile butadiene styrene (ABS);
- (e) nylon 6;
- (f) nylon 6/6;
- (g) nylon 11;
- (h) nylon 12;
- (i) polycarbonate;
- (j) aromatic polyamide; and

(k) blends of any of the components (a) through (j).

83. (Currently amended) The cable of claim 80, wherein the resin is a thermoset resin
rein, the thermoset resin being at least one component selected from the group consisting of:

(a) polyester;

(b) polyolefin;

(c) epoxy;

(d) vinyl ester;

(e) alkyl polyester;

(f) melamine isocyanurate;

(g) polyurethane;

(h) polyurea;

(i) phenolic resin;

(j) phenylene-based resin;

(k) isophthalic unsaturated polyester;

(l) orthophthalic unsaturated polyester; and

(m) blends of any of the components (a) through (l).

84. (Currently amended) The cable of claim 80, wherein the activated intumescent flame
retardant comprises at least one component is selected from the group consisting of:

(a) activated melamine pyrophosphate;

(b) activated melamine polyphosphate;

(c) activated ethylene diamine phosphate;

(d) activated ammonium polyphosphate; and

(e) blends of any of the components (a) through (d).

85-92. (Cancelled)

93. (Currently amended) The chemical resin blend of claim 78 ~~74~~, wherein the activated intumescent flame retardant further comprises at least one component selected from the group consisting of:

(a) melamine;

(b) melamine phosphate;

(c) unactivated melamine pyrophosphate;

(d) unactivated melamine polyphosphate;

(e) melamine cyanurate; and

(f) blends of any of the components (a) through (e).

94-96. (Cancelled)

97. (Currently amended) The cable of claim 84 ~~80~~, wherein the activated intumescent flame retardant further comprises at least one component selected from the group consisting of:

(a) melamine;

(b) melamine phosphate;

(c) unactivated melamine pyrophosphate;

(d) unactivated melamine polyphosphate;

(e) melamine cyanurate; and

(f) blends of any of the components (a) through (e).

98. (Cancelled)

99. (New) The chemical resin blend of claim 74, wherein the chemical resin blend is a concentrate.

100. (New) The chemical resin blend of claim 99, wherein the activated intumescent flame retardant comprises approximately 50% to 95% by weight of the chemical resin blend.

101. (New) The chemical resin blend of claim 75, wherein the plastic resin is at least one polyolefin selected from the group consisting of:

- (a) polypropylene homopolymer;
- (b) polypropylene copolymer;
- (c) ethylene propylene diene monomer (EPDM);
- (d) maleated propylene diene monomer (m-EPDM);
- (e) ethylene-polypropylene copolymer;
- (f) maleated ethylene-polypropylene copolymer (m-EP copolymers);
- (g) a thermoplastic elastomer;
- (h) a thermoplastic rubber;
- (i) ethylene/vinyl acetate copolymer (EVA)
- (j) a poly(4-methyl-1-pentene) homopolymer;
- (k) poly(4-methyl-1-pentene/1-decene) copolymer;
- (l) very low density polyethylene (VLDPE);
- (m) low density polyethylene (LDPE);
- (n) medium density polyethylene (MDPE);

- (o) high density polyethylene (HDPE);
- (p) linear low density polyethylene (LLDPE);
- (q) crosslinked polyethylene (XLPE);
- (r) crosslinked polypropylene (XLPP); and
- (s) blends of any of the components (a) through (r)

102. (New) The chemical resin blend of claim 76, wherein the engineering resin is at least one component selected from the group consisting of:

- (a) nylon;
- (b) poly(butylene terephthalate);
- (c) poly(ethylene terephthalate);
- (d) acrylonitrile butadiene styrene (ABS);
- (e) nylon 6;
- (f) nylon 6/6;
- (g) nylon 11;
- (h) nylon 12;
- (i) polycarbonate;
- (j) aromatic polyamide; and
- (k) blends of any of the components (a) through (j).

103. (New) The chemical resin blend of claim 77, wherein the thermoset resin is at least one component selected from the group consisting of:

- (a) polyester;

- (b) polyolefin;
- (c) epoxy;
- (d) vinyl ester;
- (e) alkyl polyester;
- (f) melamine isocyanurate;
- (g) polyurethane;
- (h) polyurea;
- (i) phenolic resin;
- (j) phenylene-based resin;
- (k) isophthalic unsaturated polyester;
- (l) orthophthalic unsaturated polyester; and
- (m) blends of any of the components (a) through (l).

104. (New) An article made from the chemical resin blend of claim 74.

105. (New) The article of claim 104, wherein the activated intumescent flame retardant comprises at least one component selected from the group consisting of:

- (a) activated melamine pyrophosphate;
- (b) activated melamine polyphosphate;
- (c) activated ethylene diamine phosphate;
- (d) activated ammonium polyphosphate; and
- (e) blends of any of the components (a) through (d).